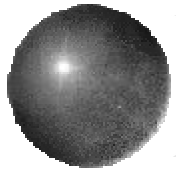


Florida Citrus At a Cross Road

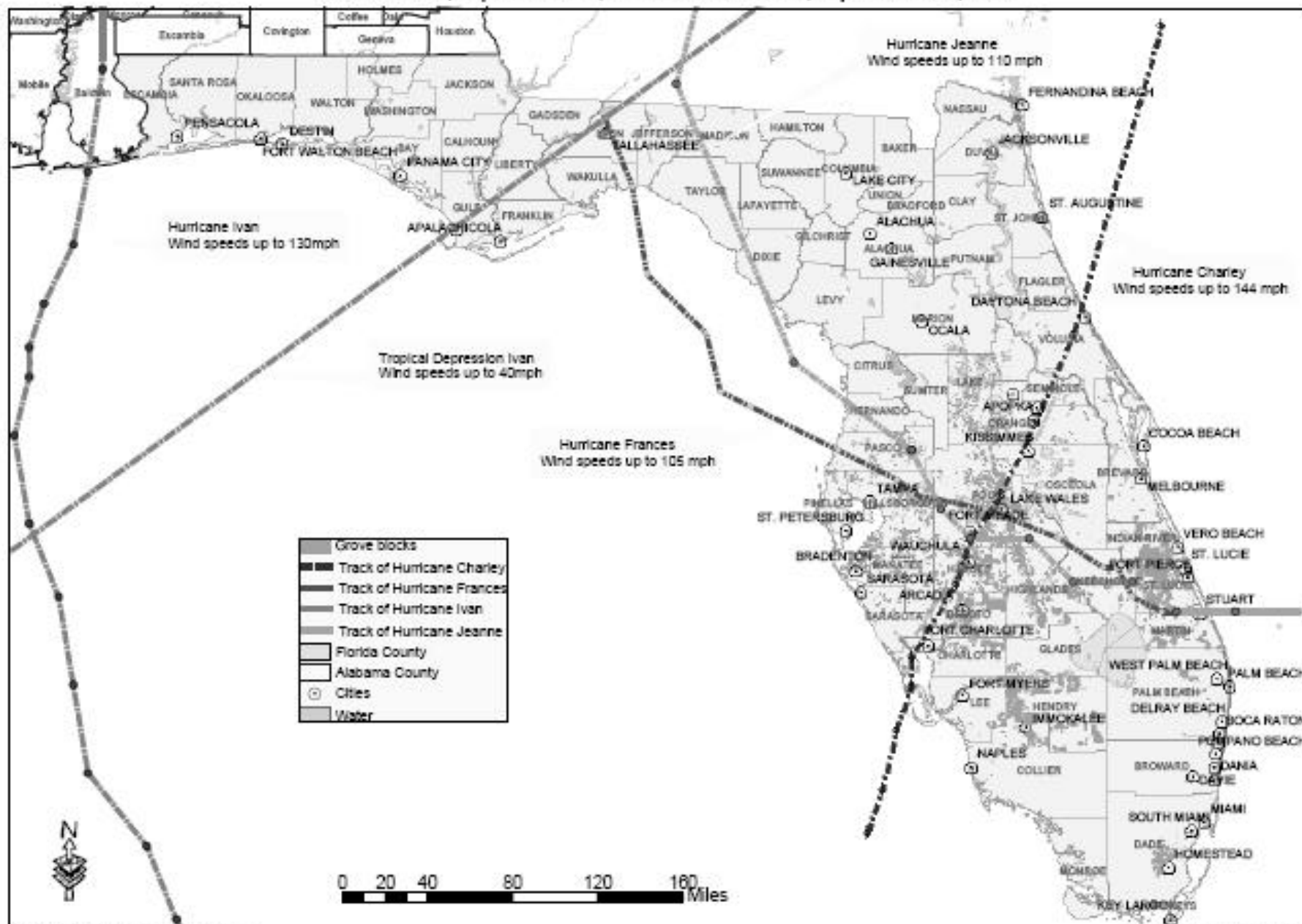
Debbie Pumphrey and Sonia Jimenez
March 8, 2006



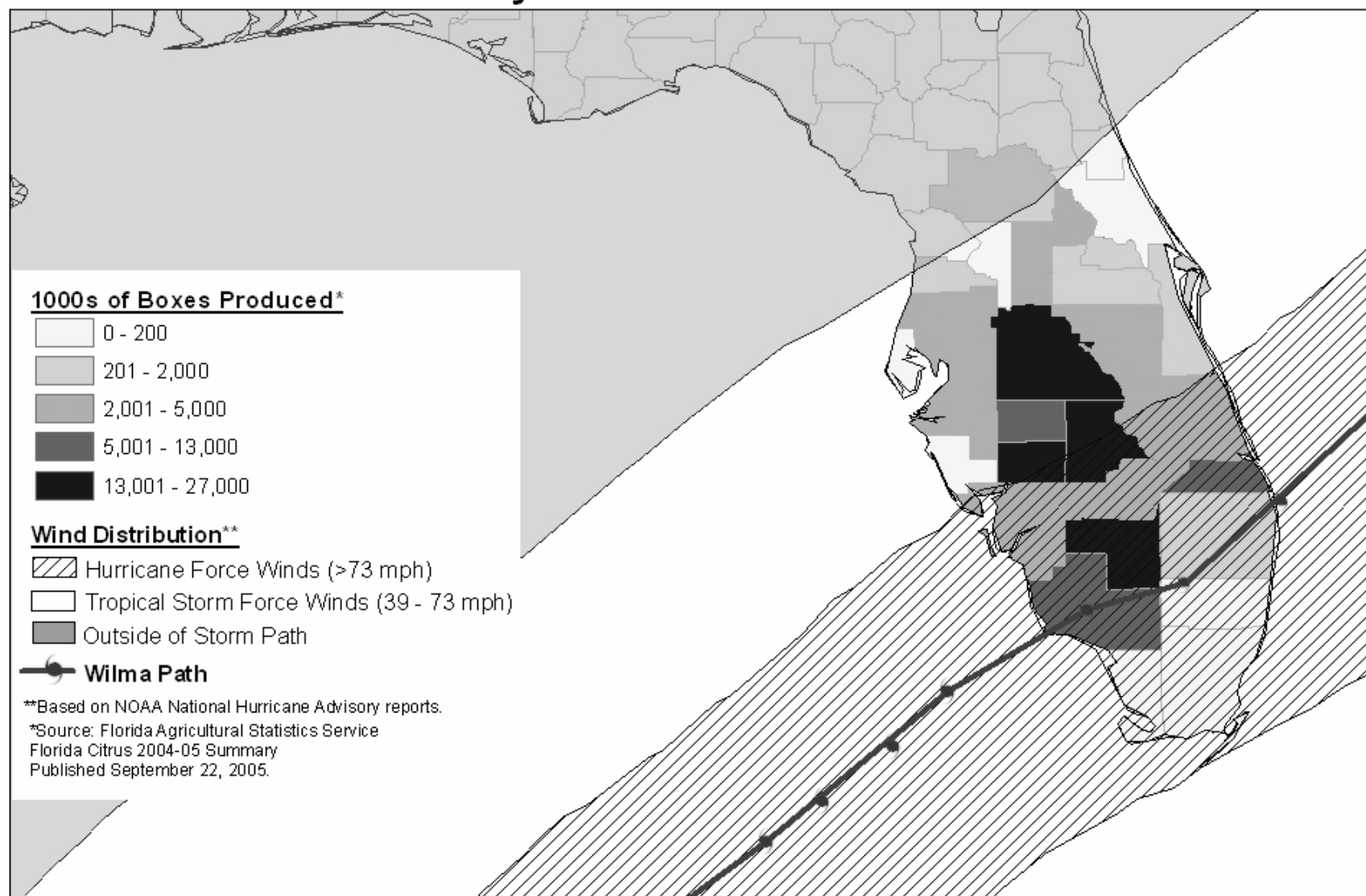
Issues Affecting Florida Citrus

- ✦ Hurricanes
- ✦ Citrus Canker
- ✦ Citrus Greening
- ✦ Competition for the land (housing)
- ✦ Labor shortages
- ✦ Pests brought in by unsuspecting people returning home

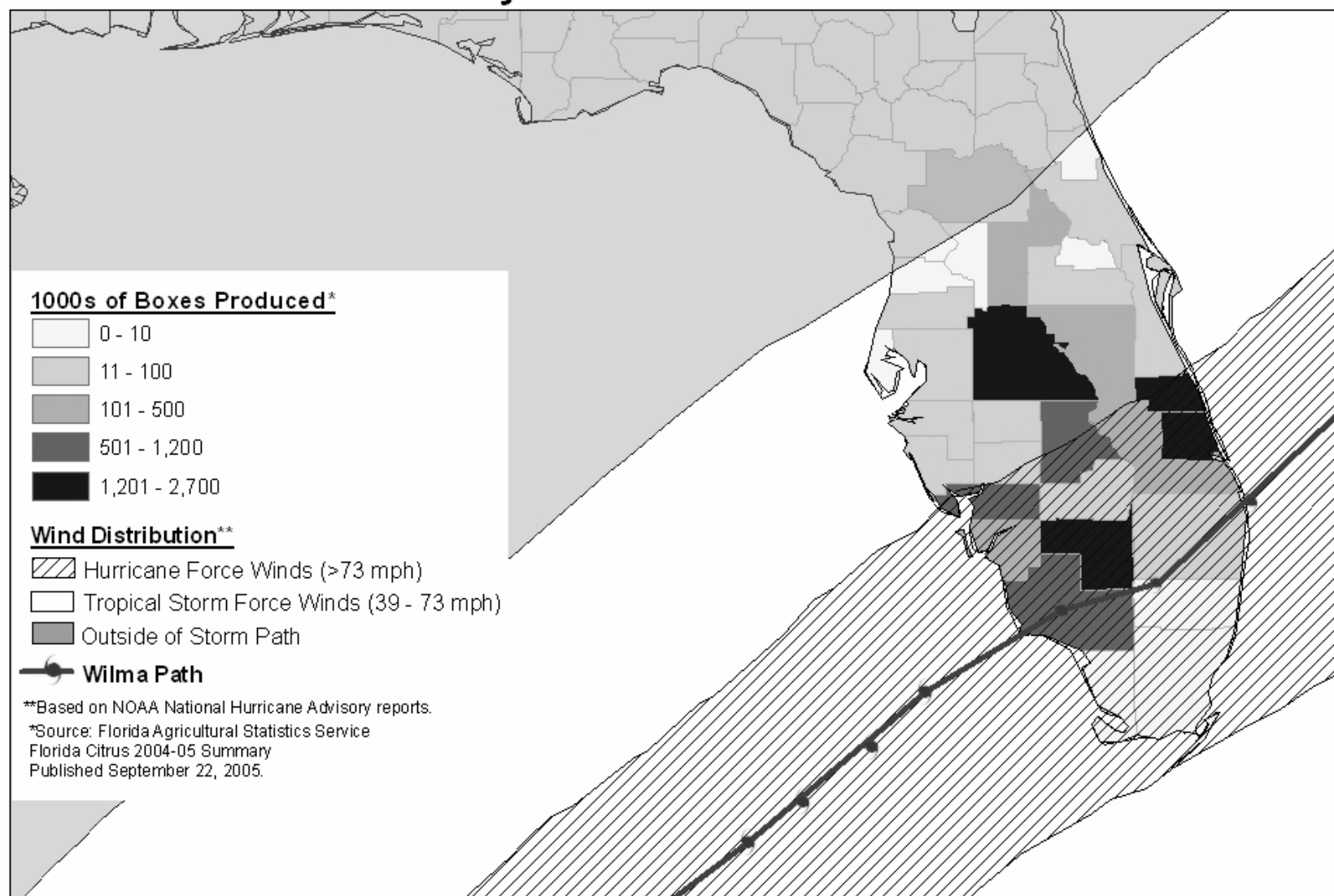
Path of Hurricane Charley, August 13th, 2004, Hurricane Frances, September 5th, 2004,
Hurricane Ivan, September 15th, and Hurricane Jeanne, September 26th, 2004

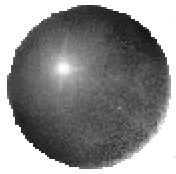


Orange Production in Counties Affected by Hurricane Wilma



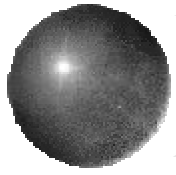
Grapefruit Production in Counties Affected by Hurricane Wilma





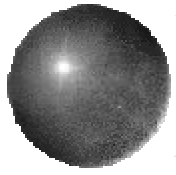
What is canker?





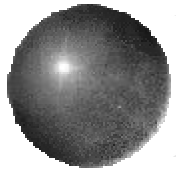
Endemic Canker - Situation

- ⊕ 64,000 acres destroyed
- ⊕ Spread to 24 counties
- ⊕ Eradication Program halted in January
- ⊕ New draft program announced March 7
- ⊕ California and Texas industries very concerned



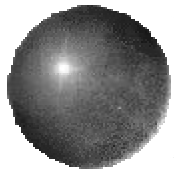
Keeping Canker Under Control

- ⊕ Disease management involves:
 - resistant varieties
 - windbreaks to hinder inoculum dispersal
 - timely application of copper-containing bactericides
 - controlling the leaf miner

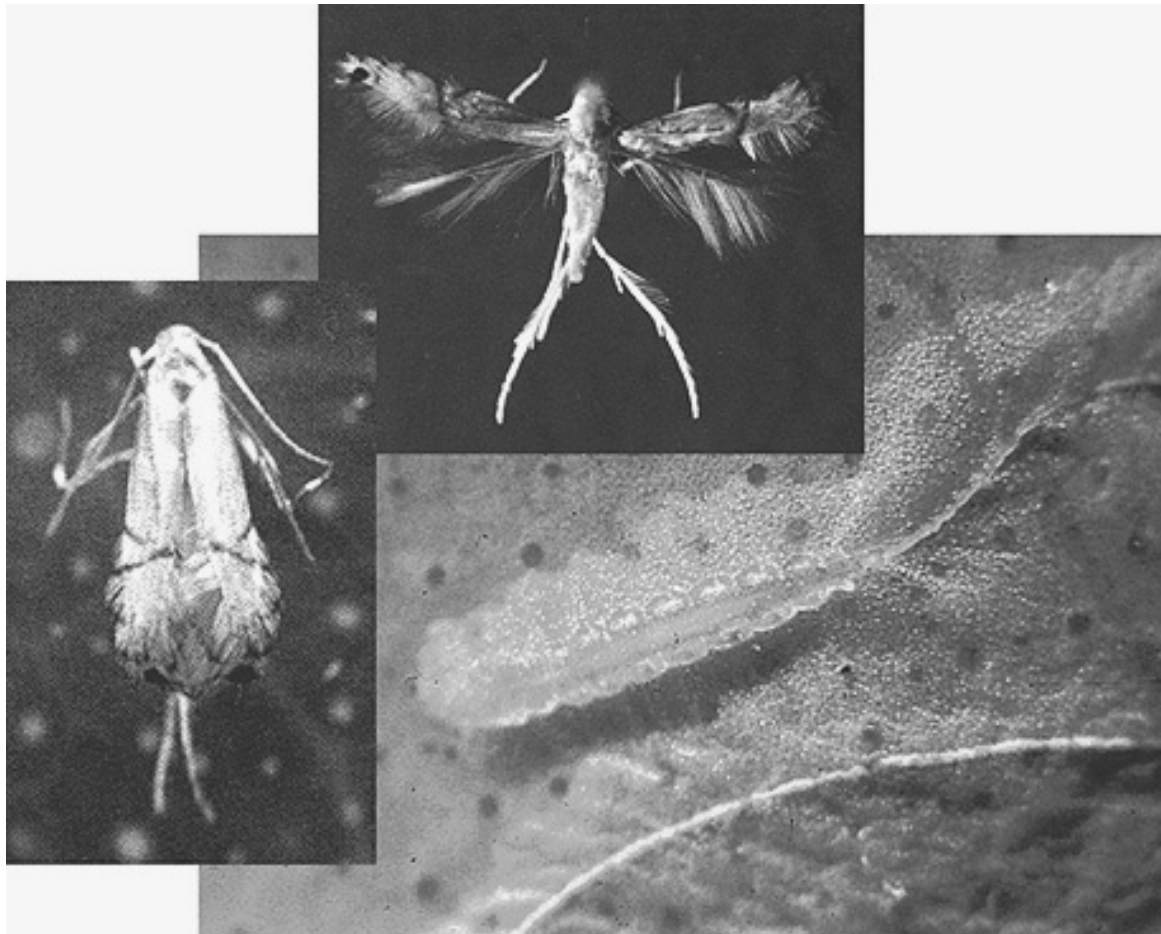


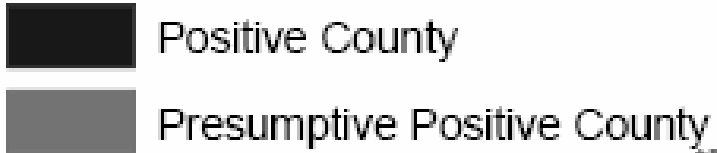
Nurseries Hit

- ⊕ Around 65 percent of inventory destroyed or about 5.4 million trees
- ⊕ New program will likely require nurseries to operate indoors
- ⊕ Move away from canker-infected area
- ⊕ 2-3 years for new inventory--shortage

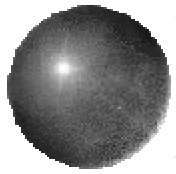


Citrus Greening



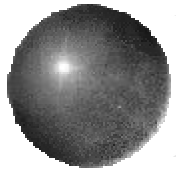


There are now
10 counties
positive for citrus
greening



Managing Citrus Greening

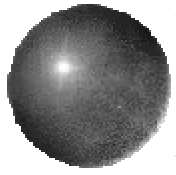
- disease-free budwood
- nurseries under screen and away from infected groves
- insecticides to keep trees free of the psyllid
- treatment at strategic times to prevent psyllid infestation
- use of parasitic controls



Citrus Health Response Plan (CHRP)

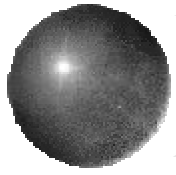
Goals

- ✦ Establish science-based standards to prevent or reduce the spread of citrus canker, greening, & other pests/diseases
- ✦ Produce asymptomatic fruit in the presence of the diseases
- ✦ Ensure domestic & foreign markets are maintained



Citrus Health Response Plan (CHRP)

- ✦ Citrus Nurseries
- ✦ Growing Practices
- ✦ Harvesting
- ✦ Transportation
- ✦ Management of picked fruit and residential and ornamental citrus



Conclusion

- ⊕ The continued support of USDA is crucial to assure that Florida citrus maintains overseas markets while dealing with these diseases.
- ⊕ Maintaining the overseas markets would decide the future of the Florida citrus industry.